

July 2016

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## World Atlas of Artificial Sky Brightness

The Milky Way is but a faded memory to one third of humanity and 80 percent of Americans, according to a new global atlas of light pollution. Chris Elvidge of NCEI and Kimberly Baugh of CIRES were part of the Italian and American team that led the research. Come see on SOS Explorer™ in the lobby!

## NEWS YOU CAN USE

- MSNBC's *All In with Chris Hayes* featured GMD's greenhouse gas monitoring work in a segment on climate change in Barrow, AK.
- Read Amy Butler and CSD colleagues' new paper: "Diverse policy implications for future ozone and surface UV in a changing climate" in *Environmental Research Letters*.

## IN OUR COMMUNITY

- June's local cable program, [aboulderview](#), focused on the city's tie-in with local federal labs. GMD Director Jim Butler talked about NOAA's work on climate change and other topics.
- NOAA Boulder celebrated Asian American Pacific Islander Heritage Month (June) with a screening of the documentary, "Ahupua'a, Fishponds and Lo'i" and a panel discussion with distinguished guests from the Kumulau Foundation.
- Work of gaming task force, including GSD researcher, featured in the Administration's *IMPACT REPORT: 100 Examples of President Obama's Leadership in Science, Technology, and Innovation*.

## TRENDING

- Turn Around, Don't Drown is the National Weather Service's flash flood motto. Read more tips for staying safe in floods and flash floods.



\*The Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado Boulder and the Cooperative Institute for Research in the Atmosphere (CIIRA) at Colorado State University are part of NOAA's research community.

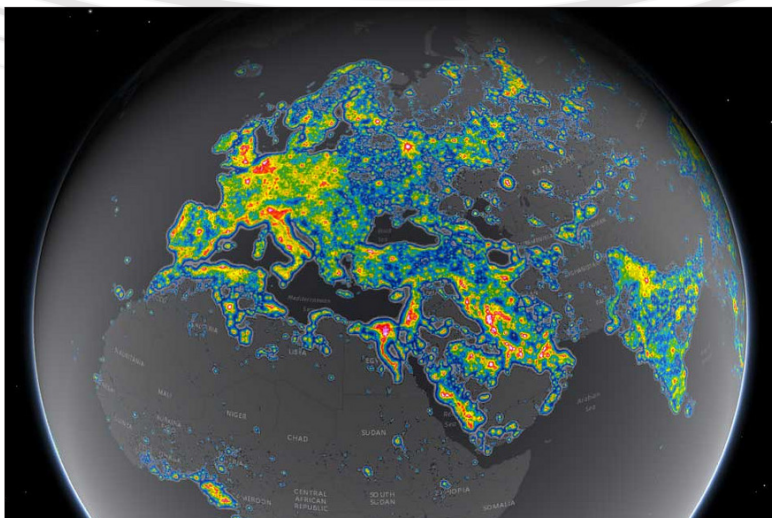
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Bright areas show where the sky glow from artificial lighting obscures stars and constellations.

## SPOTLIGHT

### Study: As Alaska warms, methane emissions stable

Recent GMD research led by CIRES scientist Colm Sweeney reveals that there is no significant increase in methane emissions despite the Arctic warming. Sweeney's paper was published in *Geophysical Research Letters*.

### "It's all systems go" for NOAA's first space weather satellite

NOAA's first space weather satellite, DSCOVR, has completed instrument validation and will go operational on July 27, when it will take on the role of monitoring potentially damaging space weather storms for the Space Weather Prediction Center.

### Climate change's likely role in kidney disease epidemics

Global warming will likely exacerbate epidemics of chronic kidney disease seen recently in hot, rural regions of the world, according to a new assessment by an international team of researchers, including Henry Diaz from PSD.

